Statement of Work
RI/FS OS - Technical Document Review
Shieldalloy Corpbration Site
Newfield, New Jersey

Background

The Shieldalloy Metallurgical Corporation (SMC), which is located in Newfield, New Jersey on a 60-acre site adjacent to the Hudson Branch of the Maurice River, has been engaged in the production of chromium metal and specialty alloys at the site since 1955. Activities at SMC have resulted in the contamination of groundwater primarily with chromium and trichloroethene (TCE). Early investigations, which were performed due to the detection of hexavalent chromium in a newly installed Newfield municipal supply well, resulted in the installation of a groundwater recovery and treatment (ion exchange) system in July 1979.

In September 1984, the Shieldalloy Corporation Site (Site) was included on the National Priorities List, and NJDEPE and SMC entered into an Administrative Consent Order (ACO) requiring SMC to conduct a Feasibility Study for remediation of groundwater contamination and for the continuation of the groundwater remediation program. The Feasibility Study, which was completed in January 1988, recommended that the groundwater extraction and treatment rate be increased to 400 gallons per minute (gpm).

In October 1988, NJDEPE and SMC entered into a second ACO that required SMC to initiate operation of the 400 gpm groundwater pump and treat system and to conduct a comprehensive Remedial Investigation and Feasibility Study.

In October 1990, field investigations were initiated to investigate the nature and extent of soil, surface water, groundwater, and sediment contamination at the Site. The results of this study were documented in the April 1992 Remedial Investigation Technical Report for the Site. It was determined at that time that groundwater contamination would be addressed as a separate operable unit to allow potential threats posed by this medium to be addressed expeditiously.

Due to operational difficulties, the ion exchange treatment system could not be operated at the required 400 gpm rate. Therefore, alternative remedial options were evaluated, resulting in the installation and operation of an electrochemical treatment system, beginning in October 1992.

An evaluation of remedial alternatives for the treatment of groundwater contamination is presented in a Focused Feasibility Study (FFS), dated April 1993. The recommended alternative, as presented in the FFS, includes modification of the existing extraction system, with the use of electrochemical treatment and possibly supplemental treatment to meet discharge permit conditions for inorganics and total dissolved solids, and air stripping for removal of volatile organic contaminants, if necessary. A Record of Decision for the groundwater operable unit is currently scheduled for January 1994.

SCOPE OF WORK

Task 1: Project Planning

The contractor shall provide overall project planning support to EPA which shall include:

* The preparation of a draft and final workplan;
* Attending project scoping meeting(s) and additional technical meetings with EPA as determined during workplan negotiations;
* Preparation of a Brossman QA Form for PRP oversight (if required at a later date);
* Performing monthly project administration functions throughout the period of performance of the work assignment;
* Providing for management system audits and field audits as required by the overall contract Quality Management Plan; and
* Performing work assignment close-out and microfiching of documents at the end of the project.

Task 2: Background Document Review

The contractor shall review the following background documents to become familiar with the Site history and to gain an adequate understanding of the work to be conducted:

- The 1988 Administrative Order on Consent;
- The April 1992 Remedial Investigation Report;
- The April 1992 Human Health and Environmental Health Evaluation Report;
- The April 1993 Final Focused Feasibility Study Report for Groundwater Remediation;
- The Quarterly Radiochemical Groundwater Sampling Reports; and
- Other relevant background information provided by EPA.

Copies of the above-mentioned documents will be provided to the contractor for review. Certain documents may need to be photocopied and the originals returned to EPA, as indicated by the EPA WAM.

Task 3: Technical Document Review and Comments

The contractor shall review and provide comments on reports and other documents submitted by SMC, their contractors or NJDEPE, including, but not limited to the following:

* A revised Human Health and Environmental Health Evaluation Report;
* A Phase II Remedial Investigation Work Plan;
* A Phase II Remedial Investigation Report; and
* An Operable Unit One Remedial Design Workplan.

The comments on all reports must be consistent with CERCLA (as amended), the National Contingency Plan (NCP) finalized in February 1990, and all applicable or relevant ahd appropriate regulations and requirements. The most recent EPA guidance documents shall be used during the review of these reports. The contractor shall report (in letter reports) any deficiencies or modifications necessary to ensure that the documents comply with EPA requirements.

EPA will utilize the contractor's comments and/or recommendations to prepare recommendations for the NJDEPE. The contractor shall be prepared to respond to any and all comments from SMC or their contractors, the NJDEPE or EPA.

It is not anticipated that the work to be performed will include field oversight as NJDEPE is responsible for field oversight of the work performed by SMC and their contractors.

Task 4: Technical Meetings

The contractor shall be prepared to meet with EPA, NJDEPE and SMC. For costing purposes, meetings are expected to be held at the NJDEPE offices in Trenton, New Jersey.

If the contractor has any contact with the public/private sector, the contractor shall identify themselves as government contractor personnel.

Deliverables and Due Dates

The contractor shall submit letter reports detailing comments or recommendations concerning reviewed documents within twenty-one (21) calendar days of receipt of the document.

Project Organization

The EPA WAM for this project is Joseph Gowers. Mr. Gowers can be contacted at (212) 264-5386. His mailing address is:

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